

ABSTRACT OF THE DISCLOSURE

A chlorine dioxide generator comprises a water eductor surrounded by a variable volume plenum. The plenum casing is threaded onto the venturi body, permitting the plenum volume and area to be modified depending on the capacity required. Chlorine and sodium chlorite may be fed tangentially into a conical plenum and reacted therein to form chlorine dioxide, which is discharged into water passing through the eductor at the venturi throat.